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OJ 650-833-2052
FJ 650-833-2001**FAX TRANSMISSION COVER SHEET**

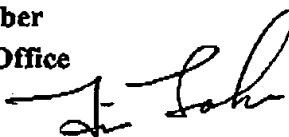
November 24, 2004

To: Telephone:Examiner Felix E. SuarezFax Number:

Centralized Facsimile Number

(703) 872-9306

U.S. Patent & Trademark Office



From: **Timothy W. Lohse (650) 833-2052** Client-Matter No. **1030981-991133**
 (by Sue Johnson)

Re: U.S. Patent Application No. 10/791,070
 Filed: March 1, 2004
 Entitled: APPARATUS AND METHOD FOR DETECTION AND MEASUREMENT
 OF ENVIRONMENTAL PARAMETERS
 Inventor: KRAZ

Pages: 12 - (including this form) Originals: will be mailed will not be mailedIf there is a problem with this transmission, please call: (650) 833-2055
 Fax Operator: Sue Johnson**MESSAGE:**

Please make a matter of record the attached Response to the Office Action mailed on August 24, 2004; and Information Disclosure Statement for the above-referenced application.

The Commissioner is authorized to charge fees as noted on the enclosed Fee Transmittal, and any other fees associated with this paper to Deposit Account No. 07-1896, referencing 1030981-991133.

Thank you.**Documents enclosed:**

1. Fax Transmission Cover Sheet (1 pg)
2. Transmittal Form (1 pg)
3. Fee Transmittal (1 pg)
4. Response A (8 pgs)
5. Information Disclosure Statement (1 pg)

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages In This Submission

12

Application Number	10/791,070
Filing Date	March 1, 2004
First Named Inventor	Vladimir KRAZ
Art Unit	2857
Examiner Name	Felix E. SUAREZ
Attorney Docket Number	1030981-991133

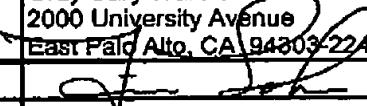
Total Number of Pages In This Submission

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (1 pg) <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Remarks		

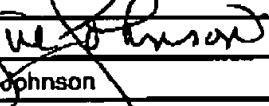
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name **Gray Cary Ware & Freidenrich LLP**
2000 University Avenue
East Palo Alto, CA 94303-2248

Signature Printed name **Timothy W. Lohse**Date **November 24, 2004**Reg. No. **35,255**

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature Typed or printed name **Sue Johnson**Date **November 24, 2004**

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$216)

Complete If Known

Application Number	10/791,070
Filing Date	March 1, 2004
First Named Inventor	Vladimir KRAZ
Examiner Name	Felix E. SUAREZ
Art Unit	2857
Attorney Docket No.	1030981-991133

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Other None
 Deposit Account:

07-1896

Gray Cary Ware & Freidenrich LLP

The Director is authorized to: (check all that apply)
 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee	Fee Code (\$)	Fee Description	Fee Paid
1001	790	2001	395 Utility filing fee	
1002	350	2002	175 Design filing fee	
1003	650	2003	275 Plant filing fee	
1004	790	2004	395 Reissue filing fee	
1005	160	2005	80 Provisional filing fee	
SUBTOTAL (1) (\$)				0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	25	-21**	= 4	X 9	= 36	Fee from below	Fee Paid
Independent Claims		-3**	=	X	= 0		
Multiple Dependent							0

Large Entity Small Entity

Fee Code (\$)	Fee	Fee Code (\$)	Fee Description
1202	18	2202	8 Claims in excess of 20
1201	88	2201	44 Independent claims in excess of 3
1203	300	2203	150 Multiple dependent claim, if not paid
1204	88	2204	44 ** Reissue independent claims over original patent
1205	18	2205	8 ** Reissue claims in excess of 20 over original patent
SUBTOTAL (2) (\$)			38

** or number previously paid, if greater; For Reissues, see above

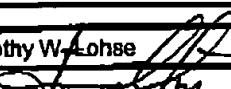
FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath	
1052	60	2052	25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130 Non-English specification	
1812	2,520	1812	2,520 For filing a request for ex parte reexamination	
1804	820*	1804	820* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	
1251	110	2251	65 Extension for reply within first month	
1252	430	2252	215 Extension for reply within second month	
1253	980	2253	490 Extension for reply within third month	
1254	1,530	2254	765 Extension for reply within fourth month	
1255	2,080	2255	1,040 Extension for reply within fifth month	
1401	340	2401	170 Notice of Appeal	
1402	940	2402	170 Filing a brief in support of an appeal	
1403	300	2403	150 Request for oral hearing	
1451	1,510	1451	1,510 Petition to institute a public use proceeding	
1452	110	2452	55 Petition to revive - unavoidable	
1453	1,370	2453	685 Petition to revive - unintentional	
1501	1,370	2501	685 Utility issue fee (or reissue)	
1502	490	2502	245 Design issue fee	
1503	660	2503	330 Plant issue fee	
1460	130	1460	130 Petitions to the Commissioner	
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180 Submission of Information Disclosure Stmt	180
8021	40	8021	40 Recording each patent assignment per property (times number of properties)	
1809	790	2809	395 Filing a submission after final rejection (37 CFR 1.128(a))	
1810	790	2810	395 For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395 Request for Continued Examination (RCE)	
1802	900	1802	900 Request for expedited examination of a design application	
Other fee (Specify) _____				
Reduced by Basic Filing Fee Paid				
SUBTOTAL (3) (\$)				180

(Complete if applicable)

Name (Print/Type)	Timothy W. Lohse	Registration No. (Attorney/Agent)	35,255	Telephone	650-833-2055
Signature		Date	November 24, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office at Fax No. (703) 872-9306 on November 24, 2004.

Sue Johnson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	: 10/791,070	Confirmation No.	2990
Applicant	: Kraz		
Filed	: March 1, 2004		
TC/A.U.	: 2857		
Examiner	: Felix Suarez		
Docket No.	: 1030981-991133		
Customer No.	: 26379		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE A

Dear Sir:

In response to the Office action dated August 24, 2004, please consider the following response to the office action.

Amendments to the Specification is reflected in the listing of claims, which begins on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims, which begins on page 3 of this paper.

Remarks begin on page 6 of this paper.